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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/621,045

07/21/2000

Masayuki Takayama

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SCHULTE ROTH & ZABEL LLP

ATTN: JOEL E. LUTZKER

919 THIRD AVENUE

NEW YORK, NY 10022

EXAMINER

RAMPURIA, SHARAD K

ART UNIT

PAPER NUMBER

2617

MAIL DATE

DELIVERY MODE

02/10/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 09/621,045	Applicant(s) TAKAYAMA ET AL.	
	Examiner SHARAD RAMPURIA	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 December 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,5 and 7-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,5 and 7-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/23/2008 has been entered.

Drawings

Figures 3-4 should be designated by a legend such as --Prior Art-- because only that which is old (EXPLAINED IN THE BACKGROUND SECTION OF SPECIFICATION FILED ON 07/21/2000) is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 5, 7-9, 11 are rejected under 35 U.S.C. 102 (b) as being anticipated by **Puhl; Larry C. et al.** [US 4486624 A].

Regarding claim 1, **Puhl** disclosed a mobile telephone set (Abstract) comprising:

Display (LCD; Fig.1) means for displaying information including telephone numbers or characters (Col.3; 42-55) comprising;

a first bus for connecting to controller and memory means that are provided as principal integrated circuits; (103; Fig.1, Col.3; 38-61) and

A second bus connected to said controller and said display means, (113; Fig.1, Col.3; 38-61, Col.4; 37-61)

wherein said first bus and said second bus are independently connected to said controller, (e.g. buses are independently connected; Col.3; 38-61, Col.4; 37-61, Col.5; 22-39)

wherein said first bus is not connected to said display means, and said second bus is not connected to said memory; (Col.3; 38-61, Col.4; 37-61, Col.5; 22-39) and

wherein said controller controls said first bus and said second bus independently. (e.g. buses are independently carrying information; Col.3; 38-61, Col.4; 37-61, Col.5; 22-39)

Regarding Claim 2, **Puhl** disclosed a mobile telephone as claimed in claim 1, further comprising communication means for transmitting signals via a radio line wherein said control

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means is controlled to prohibit access to said second bus while said communication means is receiving signals. (e.g. buses are independently carrying information; Col.15; 18-34).

Regarding Claim 5, **Puhl** disclosed a mobile telephone as claimed in claim 1, wherein said display is arranged near an antenna of the mobile telephone. (e.g. 121; Fig.1, Abstract).

Claims 7, 9, 11 the **apparatus** claims, corresponding to **apparatus** claims 1-2, 5 respectively, and rejected under the same rationale set forth in connection with the rejection of claims 1-2, 5 respectively, above.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time

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a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 3 & 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Puhl** in view of **Bartling; James E. et al.** [US 5182810 A].

As per claim 3, **Puhl** teaches all the particulars of the claim except wherein said second address data bus is driven by lower voltage than said first bus. However, **Bartling** teaches in an analogous art, that A mobile telephone as claimed in claim 1, wherein said second address data bus is driven by lower voltage than said first bus. (e.g. Col.8; 5-21) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to including wherein said second address data bus is driven by lower voltage than said first bus in order to provide a low-power systems and subsystems employing microprocessors, and to integrated circuit elements which help to manage the low-level operation of a microprocessor.

Claim 10 the **apparatus** claim, corresponding to **apparatus** claim 3 respectively, and rejected under the same rational set forth in connection with the rejection of claim 3 respectively, above.

Response to Amendments & Remarks

Applicant's arguments with respect to claims 1-3, 5, 7-11, have been fully considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sharad Rampuria whose telephone number is (571) 272-7870. The examiner can normally be reached on M-F. (8:30-5 EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dwayne Bost can be reached on (571) 272-7023. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000 or

EBC@uspto.gov.

/Sharad Rampuria/
Primary Examiner
Art Unit 2617